



FOS/AM-1 Instrument Workshop

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FOS CDR Plans
Instrument Advocate Status
IST
PDB Interface From an IST
IST Analysis Request
IST Wrap-up

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FOS CDR Plans



Schedule

- **10/17/95 through 10/19/95**

Location

- **Hughes Facility, Landover, MD**

CDR Topics

- **Overview**
 - **Schedules**
 - **External interfaces**
 - **Dependencies and driving requirements**
- **Engineering Activities**
 - **Detailed design engineering**
 - **Architecture overview**
 - **Design changes since PDR**

FOS CDR Plans



CDR Topics (cont'd.)

- **EOC Facilities**
- **System Architecture**
 - **Hardware design**
 - **Network design**
 - **Software Architecture**
 - **Support Architecture**
- **User Interface**
- **Data Management**
- **SCDO Services**
- **IST Capabilities**

FOS CDR Plans



CDR Topics (cont'd.)

- **FOS System and Detailed Design**
 - High-level presentation of FOS activity phases
 - More detailed presentation of FOS activity phases
 - Activity phases
 - Scheduling
 - Real-Time
 - Analysis
- **Operational Scenarios**
 - Description of how the FOT will manage and operate the AM-1 spacecraft
 - Include a description of how the FOS tools will be used in the context of the operations scenario
 - Ties together detailed design with the operations scenarios

FOS CDR Plans



CDR Topics (cont'd.)

- **Integration and Test**
 - Organization
 - Test environment
 - Test tools/data
 - Test plans
- **Development Plan**
 - Discuss plan for getting from detailed design phase to the system delivery

FOS Documentation Plans and Status



FOS CDR Documents

- Delivered to NASA 10/3/95
- Available on EDHS (URL: <http://newsroom.hitc.com/fos/fos.html>)

FOS Requirements Specification

FOS Design Specification

- 19 separate books
- 1 book - FOS system design
- 9 books - FOS subsystem design
- 9 books - FOS subsystem PDL

IST Capabilities Document

FOS Documentation Plans and Status



FOS Database Schema and Design

FOS Release/Development Plan

FOS Integration and Test Plan

- **Release A and B Test Plan Cases**

Interface Control Documents

- **FOS Lead**
 - **(PDB) Data Format Control Document**
 - **Software Development and Validation Facility**
 - **Spacecraft Analysis System**
 - **ASTER**
- **FOS Support**
 - **EDOS**
 - **FDF**
 - **NCC**